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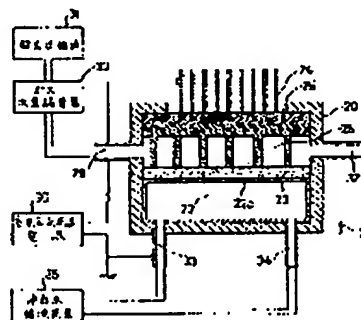
(57) Abstract

PURPOSE: To prevent stagnation of a raw material gas, increase the ratio of involved discharge for producing ozone and enable formation of ozone in a high concentration by providing a bent raw material gas flow passage between oppositely placed electrodes.

CONSTITUTION: Oxygen gas fed from an oxygen feed source 31 is regulated to a desired flow rate by a gas flow regulator 30 and then admitted from a raw material gas feed port 29 into a discharge space 28. Electrons generated therein by discharge and accelerated by a high voltage collide with the oxygen molecules to form oxygen atom radicals, which are then bound to the oxygen molecules to generate ozone. The oxygen gas admitted from the raw material gas feed port 29 into the discharge space 28 is made to flow and

lead in a meandered state along the bent flow passage. Thereby the flow passage is extended and the discharge in the discharge space 28 can be effectively used to produce ozone in a high concentration.

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